

# ADAPTIVE DATA TRANSMITTER HAVING REWRITEABLE NON-VOLATILE STORAGE

## Abstract

A data transmitter and transmitting method are provided in which an adaptive finite impulse response (FIR) driver has a plurality of taps to which coefficients having updateable values are applied.

The FIR driver has a transfer function between an input stream of data bits and an output stream of data bits such that each data bit output from the FIR driver has an amplitude adjusted as a function of the values of a plurality of data bits of the input stream, and the values of the coefficients. The data transmitter includes a rewriteable non-volatile storage, operable to be rewritten with control information representing the values of the coefficients updated during operation of the FIR driver.